

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1. (Currently Amended) A system for remotely displaying a medical image, said system including:

a medical imaging system transmitting unprocessed medical imaging data to a remote terminal; and

a remote terminal for receiving said unprocessed medical imaging data, processing said unprocessed medical imaging data to form a medical image and displaying said medical image,

wherein said remote terminal sends commands to said medical imaging system.

2. (Original) The system of claim 1 wherein said remote terminal performs post-processing on said unprocessed medical image data.

3. (Original) The system of claim 1 wherein said medical imaging system acquired said unprocessed medical imaging data.

4. (Canceled).

5. (Original) The system of claim 1 wherein said medical imaging system also transmits audio data to said remote terminal.

6. (Original) The system of claim 1 wherein said medical imaging system also transmits system parameter data to said remote terminal.

7. (Previously Presented) A system for remotely controlling a medical imaging system, said system including:

a remote terminal for transmitting commands to a medical imaging system; and
a medical imaging system for receiving and executing said commands from said remote terminal,

wherein said commands control at least one of pre-processing functions and post-processing functions of said medical imaging system.

8-9. (Cancelled).

10. (Currently Amended) A system for communication between the operator of a medical imaging device and the operator of remote terminal, said system including:

a medical imaging system transmitting unprocessed communications data to a remote terminal and receiving processed communications data from said remote terminal;

a remote terminal for transmitting processed communications data to a medical imaging system and receiving unprocessed communications data from said medical imaging system, said remote terminal transmitting remote commands for execution at said medical imaging system with respect to processing of the communications data.

11. (Original) The system of claim 10 wherein said communications data is audio data.

12. (Original) The system of claim 10 wherein said communications data is video data.

13. (Cancelled).

14. (Original) The system of claim 10 wherein said communications data represents a verbal command.

15. (Original) The system of claim 10 wherein said communications data is text data.

16. (Currently Amended) A system for remotely post-processing medical imaging data, said system including:

a remote terminal receiving unprocessed medical information data, said remote terminal including a remote imaging processor receiving said unprocessed medical information data and post-processing said medical imaging data, said remote terminal processing said unprocessed medical information data according to imaging parameters, said imaging parameters controlled by an operator at said remote terminal.

17. (Original) The system of claim 16 wherein said unprocessed medical imaging data is sent by a medical imaging system to said remote terminal.

18-19. (Canceled).

20. (Currently Amended) A remote terminal for use in a medical imaging system for remotely displaying a medical image, said remote terminal including;

a remote data processor receiving unprocessed medical imaging data and pre-processing said unprocessed medical imaging data;

a remote imaging processor ~~for~~ post-processing said pre-processed medical imaging data to form a medical image;

remote console controls controlling imaging parameters at said remote imaging processor and relaying commands through said remote data processor to an imaging system; and

a display for displaying said medical image.

21-27. (Cancelled).

28. (Currently Amended) A method for remotely displaying a medical image, said method including the steps of:

transmitting unprocessed medical imaging data from a medical imaging system to a remote terminal;

processing said unprocessed medical imaging data at said remote terminal to form a medical image;

sending commands related to image data processing from said remote terminal to said medical imaging system; and

displaying said medical image.

29. (Original) The method of claim 28 further including the step of post-processing said unprocessed medical image data at said remote terminal.

30. (Original) The method of claim 28 further including the step of acquiring said unprocessed medical imaging data at said medical imaging system.

31. (Cancelled).

32. (Original) The method of claim 28 further including the step of transmitting audio data from said medical imaging system to said remote terminal.

33. (Original) The method of claim 28 further including the step of transmitting system parameter data from said medical imaging system to said remote terminal.

34. (Previously Presented) A method for remotely controlling a medical imaging system, said method including the steps of:

transmitting commands from a remote terminal to a medical imaging system; and
executing said commands at said medical imaging system,

wherein said commands control at least one of pre-processing functions and post-processing functions of said medical imaging system.

35-36. (Cancelled).

37. (Currently Amended) A method for communication between the operator of a medical imaging device and the operator of remote terminal, said method including the steps of:

transmitting unprocessed communications data to a remote terminal from a medical imaging system; and

receiving processed communications data at said medical imaging system from said remote terminal; and

transmitting commands from said remote terminal for remote execution at said medical imaging system with respect to communications data.

38. (Original) The method of claim 37 wherein said communications data is audio data.

39. (Cancelled).

40. (Original) The method of claim 37 wherein said communications data is video data.

41. (Original) The method of claim 37 wherein said communications data represents a verbal command.

42. (Original) The method of claim 37 wherein said communications data is text data.

43. (Currently Amended) A method for remotely post-processing medical imaging data, said method including the steps of:

receiving unprocessed medical imaging information data at a remote terminal; and
post-processing said medical imaging data,

wherein said remote terminal processes said unprocessed medical information data according to imaging parameters and wherein said imaging parameters are controlled by an operator at said remote terminal.

44. (Original) The method of claim 43 wherein said unprocessed medical imaging data is sent by a medical imaging system to said remote terminal.

45-50. (Cancelled).

51. (Currently Amended) An imaging system for use in a medical imaging system for remotely displaying a medical image, said imaging system including;

a data processor externally transmitting unprocessed medical imaging data for processing, wherein said data processor is responsive to a control signal from an origin external to said imaging system.

52. (Original) The imaging system of claim 51 further including a data acquisition processor acquiring imaging data and sending said imaging data to said data processor.

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53. (Cancelled).